BRUHAT BANGALORE MAHANAGARA PALIKE
DASARAHALLI ZONE

Name of Work:Improvements and Construction of RCC drain and CC road Bhuvaneshwari Nagara 5th 4th 3rd and 2nd Cross Ward No 15 Dasarahalli

015-19-000006							Est. Cost Rs	75.00	Lakhs
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202 (Page No.139, Item No.18.19, PWD SR 2018-19)								
	For CC Road								
	MTS Layout								
	New Masid Main Raod		1	292.00	4.30	0.25	313.90		
	3rd Main Road		1	181.00	3.50	0.25	158.38		
	Cross Road		1	23.00	4.50	0.20	20.70		
	Temple Road		1	91.00	4.50	0.25	102.38		
	Standard Public School Road		1	57.00	3.40	0.20	38.76		
		Cum					634.11	1684.34	1068056.84
	Basic Rate	1589.00							
	Add Area Weightage 6%	95.34							
	Total	1684.34							
2	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No.143,Item No.19.1, PWD SR 2018-19)								
	For CC Road								
	MTS Layout								
	New Masid Main Road		1	292.00	4.30	0.15	188.34		
	3rd Main Road		1	181.00	3.50	0.15	95.03		
	Cross Road		1	23.00	4.50	0.15	15.53		
	Temple Road		1	91.00	4.50	0.15	58.52		
	Standard Public School Road		1	57.00	3.40	0.20	38.76		
		Cum					396.17	137.80	54592.03
	Basic Rate	130.00							
	Add Area Weightage 6%	7.80							
	Total	137.80							
5	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 (Page No-147 Item no - 19.64 of KPWD SR 2018-19)								
	For CC Road								

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	MTS Layout								
	New Masid Main Road								
	3rd Main Road		1	292.00	4.30		1255.60		
	Cross Road		1	181.00	3.50		633.50		
	Temple Road		1	23.00	4.50		103.50		
	Standard Public School Road		1	91.00	4.50		409.50		
			1	57.00	3.40		193.80		
		Sqm							
	Basic Rate	6.00					2595.90	6.36	16509.92
	Add Area Weightage 6%	0.36							
	Total	6.36							
6	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications. MORTH Specification No. 406 (Page No-158 Item no - 20.18 of KPWD SR 2018-19)								
	For CC Road								
	MTS Layout								
	New Masid Main Road		1	292.00	4.30	0.15	188.34		
	3rd Main Road		1	181.00	3.50	0.15	95.03		
	Cross Road		1	23.00	4.50	0.15	15.53		
	Temple Road		1	91.00	4.50	0.15	61.43		
	Standard Public School Road		1	57.00	3.40	0.15	29.07		
		Cum							
	Basic Rate	1888.00					389.39	2001.28	779268.41
	Add Area Weightage 6%	113.28							
	Total	2001.28							
7	KSRRB M2100 PCC 1 KSRRB M2100-10. Plain cement concrete M10 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No. 2100 (Page No.222, Item No.27.18, PWD SR 2018-19)								
	For CC Road								
	MTS Layout								
	New Masid Main Road		1	292.00	4.30	0.15	188.34		
	3rd Main Road		1	181.00	3.50	0.15	95.03		
	Cross Road		1	23.00	4.50	0.15	15.53		
	Temple Road		1	91.00	4.50	0.15	61.43		
	Standard Public School Road		1	57.00	3.40	0.15	29.07		
		Cum							
	Basic Rate	5115.00					389.39	5647.80	2199168.93
	Deduct Cement cost as per SR -18-19 Page No.V SI.No.123	-1079.39	Note:- (220*490.63/100)=1079.39						
	Add Cement cost as per Issue rate	1292.50	Note:- (220*293.75/50)=1161.86						
	Sub Total	5328.11							

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	Area Weightage 6%	319.69							
	Total	5647.80							
8	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications.- M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) (Page No. 175.tem No.22.6.1,PW,P & IWTD SR 2018-19)								
	For CC Road								
	MTS Layout								
	New Masid Main Road		1	292.00	4.30	0.15	188.34		
	3rd Main Road		1	181.00	3.50	0.15	95.03		
	Cross Road		1	23.00	4.50	0.15	15.53		
	Temple Road		1	109.00	4.50	0.15	73.58		
	Standard Public School Road		1	57.00	3.40	0.15	29.07		
		Cum					401.54	5580.62	2240812.61
	Basic Rate	4916.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1766.27	Note:- (360*490.63/100)=1079.39						
	Add Cement cost as per Issue rate	2115.00	Note:- (360*293.75/50)=1161.86						
	Sub Total	5264.73							
	Area Weightage 6%	315.88							
	Total	5580.62							
9	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading (Page No. 136 Item No. 17.1 PWD SR 2018-19)								
		Cum	Qty Vide Item No. 1 &2				1030.28	73.99	76228.25
	Loading and Unloading Charges	57.00							
	Lead 4 KMs 2x1.28x4	12.80							
	Sub Total	69.80							
	Area Weightage	4.19							
	Total	73.99							
							Sub Total		6434637.00

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	Area Weightage 6%	4.19							
	Total	73.99							
11	KRIDL Charge 4.5%								6434637=00
									684
							Sub Total		6434705.00
12	GST charges 12%							289558	289562.00
13	Miscellaneous and UnforessenCharges							772156	772165.00
								3649=00	3568.00
								Total	7500000.00

Rupees Seventy Five Lakhs Only

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2018-19
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward No 15

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ನಂ. EE/DD/AS/87 /19-20 ದಿನಾಂಕ : 17/06/19
ರೂ. Rs 75.00 lakhs
Rupees Seventy five lakhs only
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ.CE/DZ/TS/48/19-20 ದಿನಾಂಕ : 24/06/2019
ರೂ. 75.00 lakhs (Rupees Seventy five lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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